

Sub 53 KA 79. (Amended) The apparatus of claim 74, wherein the thermally conductive material that surrounds the sensor forms at least part of an exterior surface of the energy delivery device.

Sub 54 KA 82. (Amended) An apparatus comprising:
an energy delivery device including a proximal portion and a distal portion, the energy delivery device being configured to deliver sufficient energy to a selected site to effect a contraction in at least a portion of collagen containing tissue at the selected site, the distal portion including a thermally conductive material;

a sensor embedded within the thermally conductive material by surrounding the sensor with thermally conductive material, the sensor for detecting a thermal energy from the selected site and from an adjacent fluid medium, the sensor producing a thermal feedback signal which represents a composite of the thermal energy detected from the selected site of the collagen containing tissue and from the fluid medium; and

a feedback control system coupled to the sensor and configured to receive the thermal feedback signal and adjust a level of energy delivered by the energy delivery device to at least the portion of the selected site of the collagen containing tissue.

Sub 55 KA 85. (Amended) The apparatus of claim 82, wherein the thermally conductive material that surrounds the sensor extends from a distal tip of the energy delivery device to a position proximal to the sensor.

86. (Amended) The apparatus of claim 82, wherein the thermally conductive material that surrounds the sensor forms at least part of an exterior surface of the energy delivery device.

Sub 56 KA 89. (Amended) A method of delivering energy, the method comprising:
providing an energy delivery device including a distal portion having a thermally conductive material;
delivering sufficient energy with the distal portion of the energy delivery device to a selected site to effect a contraction in at least a portion of collagen containing tissue at the selected site;

Applicant : Hugh Sharkey and Gary S. Fanton
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Page : 3

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56 producing a thermal feedback signal which represents a composite of the thermal energy detected from the selected site of the collagen containing tissue and from a fluid medium with a sensor, the sensor being embedded within the thermally conductive material by surrounding the sensor with thermally conductive material; and

adjusting a level of energy delivered by the energy delivery device to at least the portion of the selected site based on the thermal feedback signal.

Please add the following new claim.

57 564. The method of claim 89, wherein thermal energy is conducted through the thermally conductive material to the sensor.